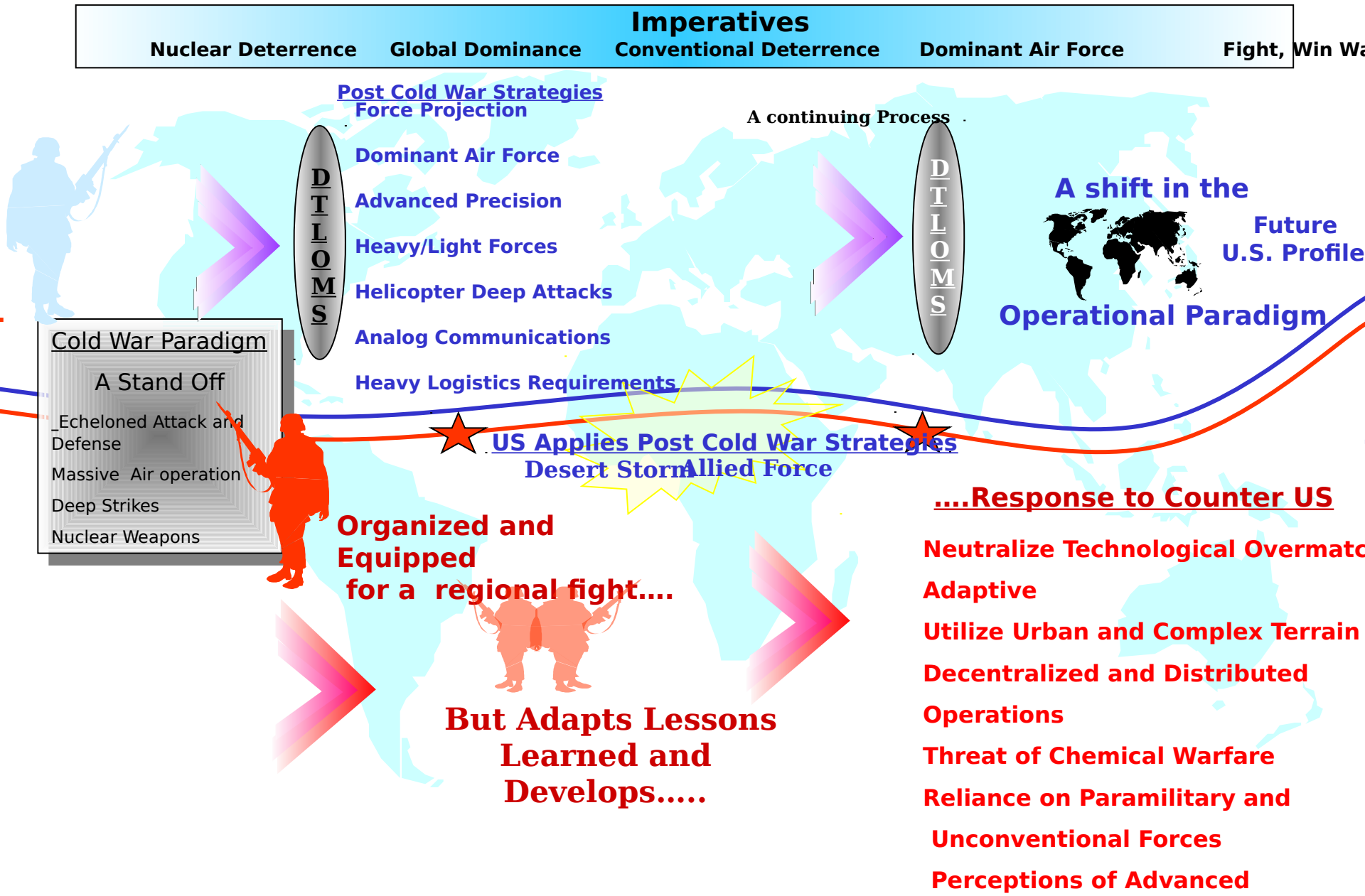
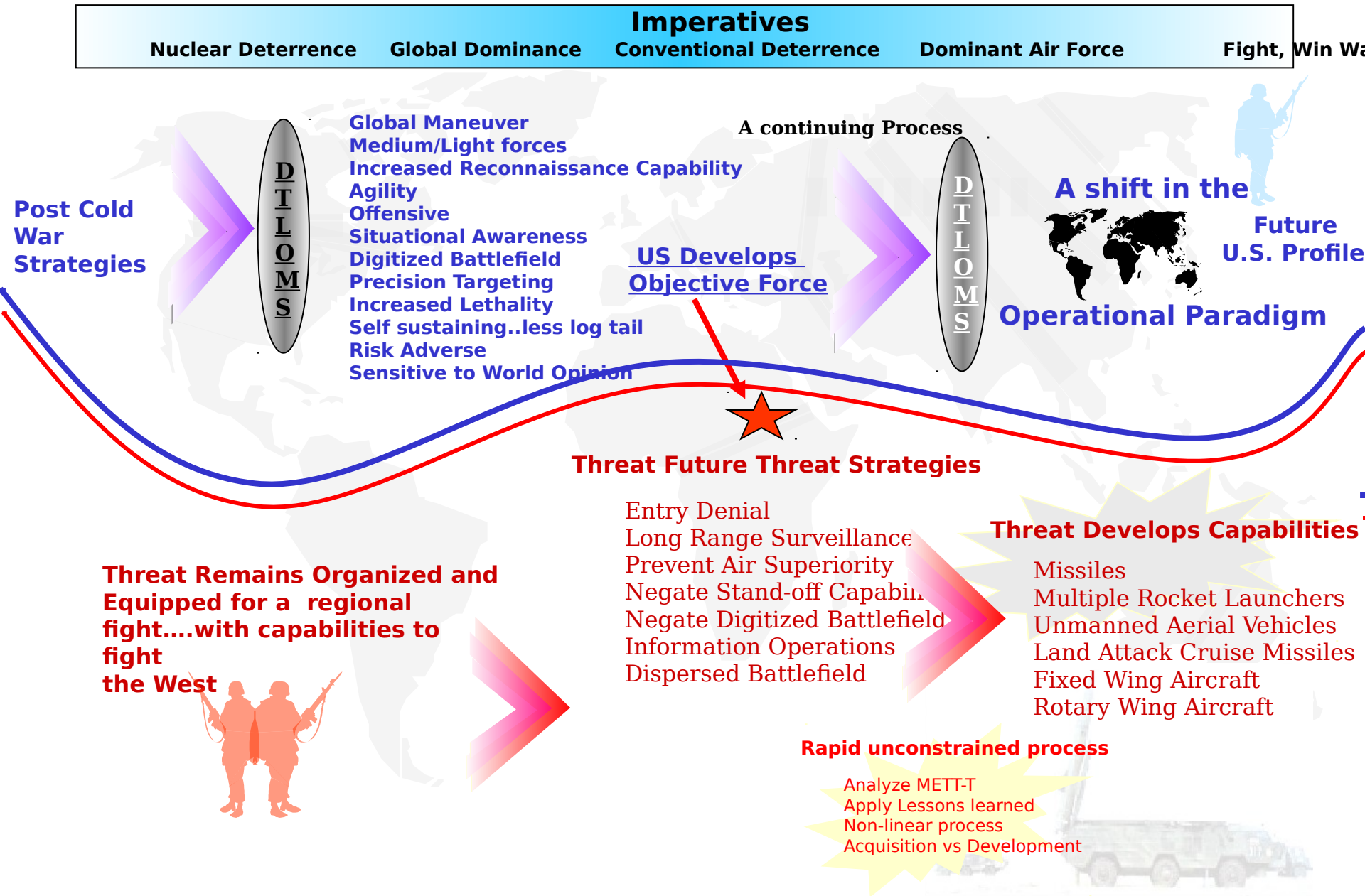


Historic Development of US Targeting Profiles



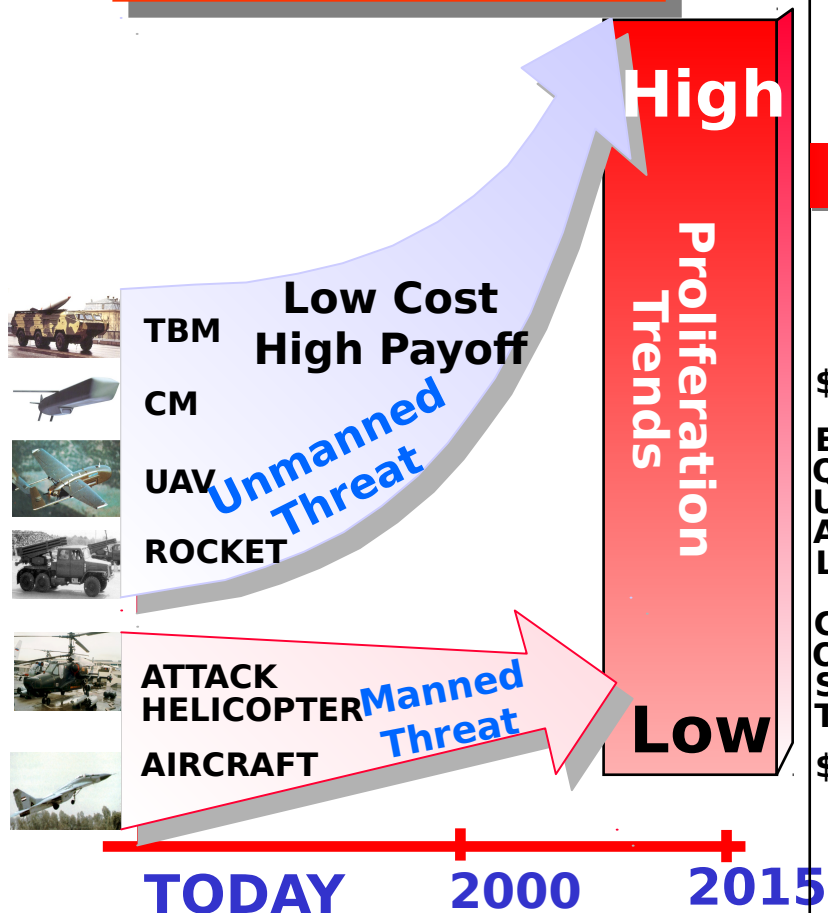
An Emerging Glimpse of the Future





AIR AND MISSILE THREAT (U)

CHANGING THREAT



WHY IT'S CHANGING

*Applying Lessons Learned...
Adoptive and Adaptive*

Emerging Capabilities

Emerging Strategies

GIVEN \$70M, ANY ADVERSARY COULD BUY...



**INCREASING
RISK TO
US
FORCES**

**EVOLUTION CHARACTERIZED BY PROLIFERATION
OF LOW COST, UNMANNED WEAPONS**









MRL PROLIFERATION

The Poor Man's TBM

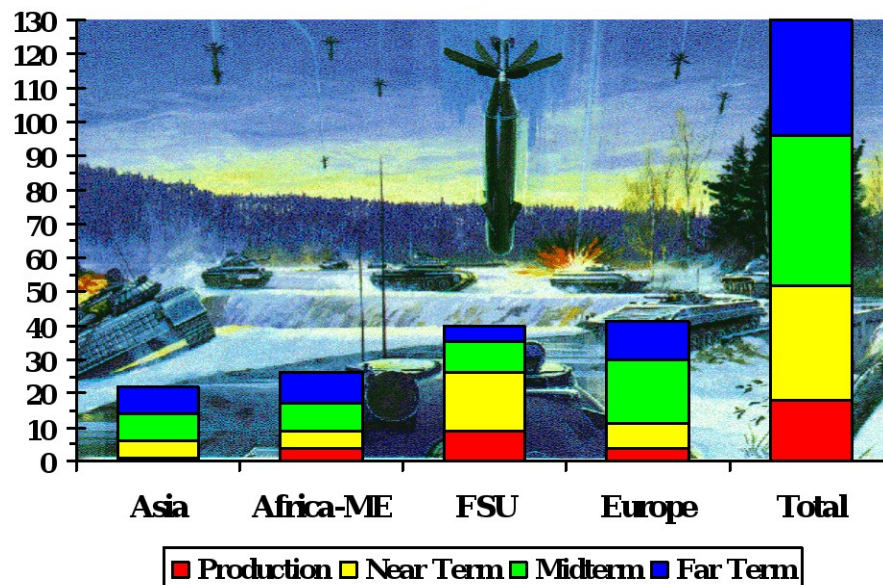


***MRLs Provide Capability To Deliver Long Range Precision Munitions
without TBMs***

-  LASER GUIDED PROJECTILES PROLIFERATING RAPIDLY
-  POOR COUNTRIES UNEXPECTEDLY BUYING ADHPM
-  FOUR NEW SENSOR FUZED MUNITIONS IN PRODUCTION
-  COURSE CORRECTED MUNITIONS VERY ACTIVE
-  SEVERAL TERMINALLY HOMING MUNITIONS BEING TESTED
-  SUBSTANTIAL USE OF ADHPM IN COMBAT IMMINENT

Strategies

Mobility
Deny Entry
Lethality..CML Capability
Sanctuary Operation



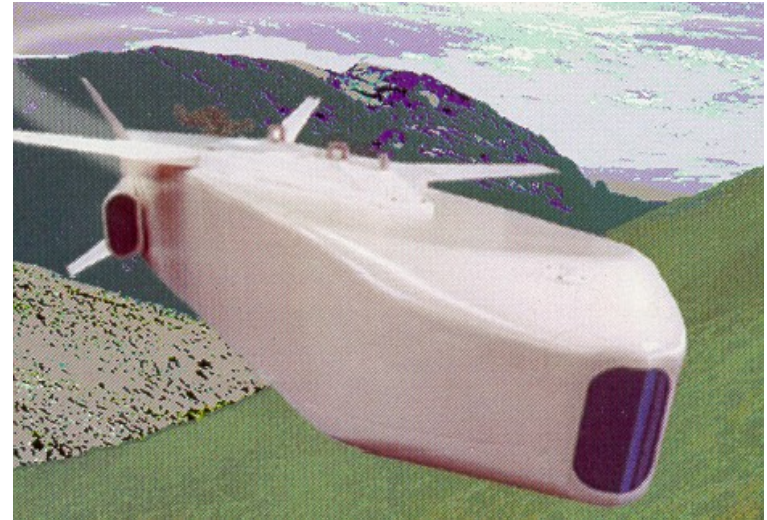


Land Attack Cruise Missile Trends

- **SMALLER SIZE**
- **INCREASED RANGE**
- **LOWER ALTITUDE FLIGHT**
- **IMPROVED ACCURACY**
- **FUTURE USE OF SMART SUBMUNITIONS**
- **POSSIBLE INCORPORATION OF COUNTERMEASURES**

Strategies

Long Range Attack
Deny Theater basing
Reduce Air Force Requirement
Precision Attack
Low Cost



- **Serious theater-level threat possible before 2005**
 - **At least 11 countries now developing LACMs**
 - **Majority of systems are subsonic**
 - **Simple LACMs could emerge quickly (Maybe Not)**
 - **Antiship cruise missile (ASCM) and UAV conversion**

ACMS CAN STRIKE TARGETS ACROSS THE THEATER OF OPERATIONS



Aircraft Trends

- **Increased Use Of PGMs/Cruise Missiles**
- **Increased Stand-off Range**
- **Reduced Radar Cross Section**
- **Increased Aircraft Survivability**
- **Increased Multirole Variants**



Strategies

**Deny Entry
Perceived Air Threat
Survivability vs Attack**

AIRCRAFT STILL REPRESENT A LETHAL THREAT..

But value diminishes in a mature theater



Helicopter Trends

- ***Increased Stand-off Range***
- ***Improved Accuracy***
- ***Better Night & Adverse Weather Capability***
- ***Improved Aircraft Survivability Systems***
- ***Improved IR Signature Reduction Technology***



Strategies

**Deny Entry of IEF
Reconnaissance
Limited Attack w/ Conditions**

**Attack Helicopters Are A Dangerous Threat To The
Maneuver Force**